

**PUBLIC WORKS & UTILITIES
ADMINISTRATION DIVISION**

MONTHLY PROJECT UPDATE

OCTOBER 2007

RESERVOIR No. 18 (1MG) – INTERIOR COATING REPLACEMENT

The interior sandblasting operations and prime coating of the floor and shell walls is approximately 85% complete this report period. The sandblasting of the steel floor plates revealed approximately 125-holes the size of 3/16 inch to 1/2 inch in diameter. The discovery was made during the sandblast removal of the original coating that was masked with microbial corrosion that scabbed over the hole thus nearly sealing the hole from any detectable leakage. Furthermore, the floor seam welds have been attacked by microbial corrosion that created concave jagged inclusions to their welds making their condition unsuitable to receive the new 2-component protective coating.

To correct this condition, the holes will require plug welding and the floor seam fillet welds and ground smooth to accept the protective coating. The aforementioned conditions shall be considered additional work and cost. The additional cost at this time can not be determined until the shell walls are completed and the sandblast waste is removed from the floor. These floor conditions have not been encountered in the previous reservoirs.

The possible cause of this corrosion maybe from left-over mill scale that was not thoroughly removed from the floor plates prior to its original epoxy coating thereby failed over time and corrosion set-in and/or, a voltage drop in the cathodic protection of the tank that possibly created the induced corrosion and overall extensive floor pitting.

BREMERTON GASWORKS

The preliminary Upland Assessment Report was reviewed and approved by Environmental Protection Agency (EPA) on October 23rd with no exceptions taken; The Consultant, GeoEngineers completed the Upland Assessment Report with the inclusion of the laboratory data. The Upland Assessment Report was received and transmitted to the property owners, McConkey and Sesko, and the Department of Ecology on October 29th.

Based on the findings indicated in the Upland Assessment Report, the Consultant, GeoEngineers recommends further soil sampling with a geoprobe rig to gain a better understanding of the extent of contamination. In addition, GeoEngineers recommends field screening the soil samples, at a minimum of 2.5-foot intervals, for chemical analysis of at least two or three soil samples from each geoprobe boring; EPA concurs with GeoEngineers recommendations and GeoEngineers is discussing these recommendations with scientists of EPA's contractor, Ecology & Environment, Inc. (E&E).

Presently, GeoEngineers and E&E are discussing the next phase of field testing strategies. E&E personnel are unavailable to meet face-to face until Tuesday, December

4th as E&E personnel are presently committed with other EPA field work. Since E&E will conduct the next phase of investigations their compensation will be paid for by EPA's Target Brownfields Assessment (TBA) Program. The agenda for the December 4th meeting thus far is to discuss the initial findings in the Upland Assessment Report, and the next phase of field investigation and testing strategies using a geoprobe rig.

Gasworks - Activity Description	Anticipated Date(s)
Prepare Final Draft - Upland Assessment Work Plan (with SAP, QAPP, and HASP) and submit to the City, EPA, and Ecology	<u>Complete</u> April 2, 2007
Incorporate EPA comments & resubmit Final – Upland Assessment Work Plan	<u>Complete</u> May 3, 2007
Preliminary Investigation Field Activities/USACE Archeologist	<u>Complete</u> May 21 – May 25, 2007
Consultant receives chemical analytical data from laboratory <i>Laboratory backlog of work delayed the anticipated schedule</i>	<u>Complete</u> July 19, 2007*
<u>Draft</u> - data reduction/evaluation results & transmit report to EPA for comments; and <u>Final</u> report and transmit to EPA, City, Ecology, and Stakeholders	<u>Complete</u> -September 21st & <u>Complete</u> - October 29, 2007*
Meeting w/ EPA , EPA's contractor, Ecology & Environment (E&E), GeoEngineers & City to develop next phase of investigation (E&E unable to meet until Dec. 4th)	December 4, 2007*
EPA's contractor, E&E, submits SAP/QAPP for next phase of investigation EPA/Consultant recommends further additional scope of work	+/- December 13, 2007*
EPA approves E&E SAP/QAPP for additional scope items	+/- December 27, 2007*
EPA's contractor E&E conducts additional investigation scope	+/- Jan. 2 – January 18, 2008*
EPA's contractor, E&E, provides summary of additional investigation results	+/- February 22, 2008*

* Revised dates

In conclusion, the Quarterly Report (Q-4 2007) was submitted to EPA on October 22nd. The total expenditures this quarter was \$13,655.81.

The following is the summary of expenditures by budget category for this Quarterly Report Period ending September 30, 2007 (July 1 – September 30):

Budget Categories	Budgeted Amount	Previously Expended	Expenses this Quarter	Total Cumulative Expenses	Balance
Personnel	\$16,000	\$17,650.62	\$4,668.87	\$22,319.49	- \$6,319.49
Supplies	\$500	\$0	\$0	\$0	\$500.00
Contractual	\$181,500	\$133,123.02	\$8,986.94	\$142,109.96	\$39,390.04
Travel	\$2,000	\$1,458.40	\$0	\$1,458.40	\$541.60
Total Direct Charges	\$200,000	\$152,232.04	\$13,655.81	\$165,887.85	\$34,112.15
Total Cumulative Expenses	\$200,000	\$152,232.04	\$13,655.81	\$165,887.85	\$34,112.15

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(CONTINUED)

COURT FACILITY -- (900 Pacific Avenue)

Some roof leaks reported and repaired this report period. It appears that the roof leaks are related to the mid-roof air handling roof curbs. The leaks seem to occur when strong winds accompany the weather event.

DOWNTOWN BREMERTON LIBRARY

Presently, the Contract Documents for the ventilation/exhaust system is approximately 70% complete while the technical specifications (mechanical & electrical) and design is approximately 20% complete this report period. The designer is Mechanical & Control Services, Inc.

Since the cost to provide a fully operational HVAC system was so costly (\$185K+) plus the decommissioning of the existing boiler system, the Kitsap Regional Library and City agreed to reduce the overall mechanical system to address the ventilation/exhaust concerns within the building. The ventilation/exhaust system will provide cooled outside air into the building while exhausting the hot air to the atmosphere thereby providing air changes throughout the building on a frequent basis. This system will be realized best during the mid-summer hot days. In addition, the ventilation/exhaust system is currently being designed to utilize the existing single phase 120/240 electrical service in lieu of installing a costly new three phase system that would be required to energize the HVAC system.

The anticipation is to have the ventilation/exhaust system project advertised for bids by mid-December with a bid opening in early January.

The anticipated cost savings will go towards the following items:

- Upgrade and expand single phase 120/240 service panel in building while installing ventilation/exhaust system;
- Replace domestic water and replace the hot water heating piping to boiler;
- Stair and entry non-slip special coating;
- Exterior handrails; and
- Landscaping upgrades, irrigation, drought resistant plants and shrubs; and